PAT-NO: JP409235543A
DOCUMENT-IDENTIFIER: JP 09235543 A
TITLE: SEALING MATERIAL
PUBN-DATE: September 9, 1997

INVENTOR-INFORMATION:

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INT-CL (IPC): C09K003/10 , C09J007/02 , C09J007/02 , C09J007/02 , C09J007/02 , C09J007/02

ABSTRACT:

PROBLEM TO BE SOLVED: To obtain a sealing material consisting of a sealing substrate and a specific tacky adhesive composition layer formed on the substrate, exhibiting excellent releasability from a releasing liner and the own back surface of the material even by using a releasing liner or sealing substrate free from silicone treatment and having high adhesive force and sealing effect.

SOLUTION: This material is produced by forming (A) a layer of a tacky adhesive composition containing a polymer having a polycarbonate structure having a recurring unit of formula [R is a 2-20C (branched)hydrocarbon group] (e.g. a polymer composed mainly of a polyester having a weight average molecular weight of ≥10,000 and derived from a diol component containing polycarbonate diol as an essential component and a dicarboxylic acid component containing dicarboxylic acid having a molecular skeleton consisting of a 2-20C aliphatic or alicyclic hydrocarbon group as an essential component) on (B) a sealing substrate (e.g. a sheet or foamed material of a synthetic resin or a synthetic rubber or a laminate of these synthetic resin films).

PAT-NO: JP404103686A
DOCUMENT-IDENTIFIER: JP 04103686 A
TITLE: HOT-MELT ADHESIVE
PUBN-DATE: April 6, 1992

INVENTOR-INFORMATION:

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INT-CL (IPC): C09J175/04 , C08G018/32
US-CL-CURRENT: 526/935

ABSTRACT:

PURPOSE: To provide the subject adhesive composed of a polyurethane having specific physical properties and produced by reacting a high-molecular diol, a low-molecular dial and a diisocyanate, having excellent adhesive strength and bonding workability and suitable for the bonding of plastic, cloth, rubber, etc.

CONSTITUTION: The objective adhesive is composed of a polyurethane produced by reacting (A) a high-molecular diol such as polyester diol and polycarbonate diol, (B) a low-molecular diol of formula ((n) is integer of 6-12) and (C) a diisocyanate. The polyurethane has a weight-average molecular weight of preferably 100,000-450,000 and exhibits one or more melting peaks in differential scanning thermal analysis, wherein the temperature of the peak of the highest temperature is 90-140°C and the heat of fusion of the peak is 8-20J/g.

PAT-NO: JP410081085A

DOCUMENT-IDENTIFIER: JP 10081085 A

TITLE: PROTECTIVE SHEET FOR TAMPERING PREVENTION AND METHOD THEREFOR

PUBN-DATE: March 31, 1998

INVENTOR-INFORMATION:

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INT-CL (IPC): B42D015/10 , C09J169/00

ABSTRACT:

PROBLEM TO BE SOLVED: To surely and easily prevent the expressions of bonds and the like and the contents of containers and the like from being altered without trouble on workability and the like by a method wherein this protective sheet consists of a support and a self-adhesive layer and the self-adherent force between the self-adhesive layers is set to have the specified value.

SOLUTION: This protective sheet consists of a support and a self-adhesive layer and the self-adherent force between the self-adhesive layers is set to be 2kg/20mm of width or more. The self-adhesive layer is made of polyester of polycarbonate diol and dicarboxylic acid, especially diol component containing polycarbonate diol as essential one and dicarboxylic acid component containing dicarboxlic acid having 2-20C aliphatic or alicyclic hydrocarbon group as molecular skeleton as essential one and preferably has the weight average molecular weight of 20,000 or more. Accordingly, when a bond, a container or the like is covered with the protective sheet and its peripheral edges are pasted together through the self-adhesives, the peripheral edges do not easily separate from each other and, even when separated under the condition that printing or the like is performed on the self-adhesive layer surface, the getting out of shape of the printing becomes remarkable, resulting in allowing to easily discriminate the alteration of the expression, contents and the like.